Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A computer-implemented method for approximating n-band graphic equalizer settings for a media player using not more than m ~~bands~~ **filters**, where m is less than n, said method comprising:

(a) classifying at least a plurality of the equalizer setting values with respect to characteristics of at least a portion of a frequency response shape of ~~at least one of~~ a plurality of predetermined filter types; ~~and~~

(b) determining parameters for one or more filters of ~~the at least one of~~ the plurality of predetermined filter types used in classifying the equalizer settings~~.~~**;**

(c) assigning a priority to each of the one or more filters in the classification; and

(d) limiting the number of the one or more filters in the classification to not more than m based on the priority assigned to each of the plurality of the predetermined filter types in the classification.

2-3. (Cancelled)

4. (Currently Amended) A computer-implemented method as recited in claim ~~3~~ **1**, wherein n = 10.

5. (Currently Amended) A computer-implemented method as recited in claim ~~3~~ **1**, wherein said limiting (c) operates to limit the plurality of the predetermined filter types in the classification to a maximum of three.

6. (Cancelled)

7. (Original)   A computer-implemented method as recited in claim 1, wherein the predetermined filter types in the classification are chosen from the group consisting of: a low-shelf, a high-shelf and a parametric.

8. (Original)   A computer-implemented method as recited in claim 7, wherein the predetermined filter types in the classification include not more than one low-shelf and not more than one high-shelf.

9. (Original)   A computer-implemented method as recited in claim 1, wherein the classification approximates the equalizer setting values through use of a minimum number of the predetermined filter types.

10. (Original) A computer-implemented method as recited in claim 1, wherein the predetermined filter types are second order recursive filters.

11. (Original) A computer-implemented method as recited in claim 1, wherein the filters are digital filters.

12. (Original) A computer-implemented method as recited in claim 1, wherein the media player is a hand-held media player.

13. (Original) A computer-implemented method for approximating n-band graphic equalizer settings for a media player using less than n filters, said method comprising:

(a) examining the equalizer setting values for approximate correlation to at least a portion of a frequency response of a shelf type filter;

(b) selecting the shelf type filter if a first set of the equalizer setting values approximately correlate;

(c) examining the equalizer setting values other than the first set for approximate correlation to at least a portion of a frequency response of a parametric type filter;

(d) selecting the parametric type filter if a second set of the equalizer settings approximately correlate; and

(e) determining parameters for the shelf type filter and the parametric type filter, wherein at least the shelf type filter and the parametric type filter are used to approximate the n-band graphic equalizer settings for the media player.

14. (Original) A computer-implemented method as recited in claim 13, wherein said method approximates the n-band graphic equalizer settings for the media player using not more than m of the filters.

15. (Original) A computer-implemented method as recited in claim 13, wherein the filters are digital filters.

16. (Original) A computer-implemented method as recited in claim 13, wherein the equalizer settings within the first set are adjacent one another, and wherein the equalizer settings within the second set are adjacent one another.

17. (Original) A computer-implemented method as recited in claim 13, wherein the media player is a hand-held media player.

18. (Currently Amended)   A computer readable medium including at least computer program code for approximating n-band graphic equalizer settings for a computing device using ~~less than n bands~~ **not more than m filters, wherein m is less than n**, said computer readable medium comprising:

computer program code for classifying at least a plurality of the equalizer setting values with respect to characteristics of at least a portion of a frequency response shape of ~~at least one of~~ a plurality of predetermined filter types; ~~and~~

computer program code for determining parameters for one or more filters of ~~the at least one of~~ the plurality of predetermined filter types used in classifying the equalizer settings~~.~~**;**

computer program code for assigning a priority to each of the one or more filters in the classification; and

computer program code for limiting the number of the one or more filters in the classification to not more than m based on the priority assigned to each of the plurality of the predetermined filter types in the classification.

19-21. (Cancelled)

22. (Original) A computer readable medium as recited in claim 18, wherein the predetermined filter types in the classification are chosen from the group consisting of: a low-shelf, a high-shelf and a parametric.

23. (Currently Amended)   A system for approximating an n-band graphic equalizer **using**

not more than m filters, where m is less than n, for use on a device having limited

computational resources or computational time, said system comprising:

means for classifying at least a plurality of equalizer setting values of the n-band

graphic equalizer with respect to characteristics of at least a portion of a frequency response

shape of ~~at least one of~~ a plurality of predetermined filter types; ~~and~~

means for determining parameters for one or more filters of ~~the at least one of~~ the

plurality of predetermined filter types used in classifying the equalizer settings~~.~~**;**

means for assigning a priority to each of the one or more filters in the

classification; and

means for limiting the number of the one or more filters in the classification to

not more than m based on the priority assigned to each of the plurality of the

predetermined filter types in the classification.

24. (Original) A system as recited in claim 23, wherein said system is an embedded system.

25. (Original) A system as recited in claim 23, wherein the system is a portable computing

device.

26. (Original) A system as recited in claim 23, wherein the system is a hand-held media

player.

27. (Currently Amended)   A media device, comprising:

a data store for storing media data received from a host computer, the media data

including media content and equalizer setting information for at least one media item; and

a processor operatively connected to said data store, said processor operates to acquire **n-band** equalizer setting values based on the equalizer setting information, to approximate the **n-band** equalizer setting values with a reduced filter order approximation **by (a) classifying at least a plurality of the equalizer setting values with respect to characteristics of at least a portion of a frequency response shape of a plurality of predetermined filter types, (b) determining parameters for one or more filters of the plurality of predetermined filter types used in classifying the equalizer settings, (c) assigning a priority to each of the one or more filters in the classification, and (d) limiting the number of the one or more filters in the classification to not more than m, where m is less than n, based on the priority assigned to each of the plurality of the predetermined filter types in the classification**, and to present the media content at said media player in accordance with the reduced filter order approximation.

28. (Original) A media device as recited in claim 27, wherein said data store comprises a hard drive that stores the media data.

29. (Original) A media device as recited in claim 27, wherein said media device is a hand-held media player.